

TABLE 26
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-509

3300 A 352	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3301 A 351	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3302 A 353	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3303 A 349	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3305 A 354	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3306 A 355	2	26	VAC MACH	C-508 G	STEAM EJECTOR LINE GAUGE	STEAM	SG	N/A
3307 C 070	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3308 A 395	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3309 A 357	2	26	VAC MACH	C-508 G	STEAM EJECTOR LINE GAUGE	STEAM	SG	N/A
3310 A 358	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE GAUGE	STEAM	SG	N/A
3311 A 359	2	26	VAC MACH	C-508 V	STEAM EJECTOR LINE VALVE	STEAM	SG	N/A
3320 C 097	2	26	VAC MACH	C-508 V	SEAL OIL RETURN	SEAL OIL	SG	N/A
3321 C 098	2	26	VAC MACH	C-508 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	Y Y N/A
3322 C 078	2	26	VAC MACH	C-508 V	SEAL OIL RETURN	SEAL OIL	SG	Y Y N/A
3323 C 079	2	26	VAC MACH	C-508 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	Y Y N/A
3324 C 078	2	26	VAC MACH	C-508 V	SEAL OIL RETURN	SEAL OIL	SG	Y Y N/A
3325 C 077	2	26	VAC MACH	C-508 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	Y Y N/A
3326 C 075	2	26	VAC MACH	C-508 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	Y Y N/A
3329 C 082	2	26	VAC MACH	C-508 V	SEAL GAS RECYCLE LINE DRAIN	RECYCLE	SG	Y Y N/A
3330 C 083	2	26	VAC MACH	C-508 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	Y Y N/A
3331 C 084	2	26	VAC MACH	C-508 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	Y Y N/A
3332 C 084	2	26	VAC MACH	C-508 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	Y Y N/A
3333 A 360	2	26	VAC MACH	C-508 V	EXHAUST SEAL GAS RECYCLE LINE	RECYCLE	SG	Y Y N/A
3340 C 085	2	26	VAC MACH	C-508 V	STAGE 1 INLET CLEANOUT	RECYCLE	SG	Y Y N/A
3341 C 084	2	26	VAC MACH	C-508 V	FIRST STAGE INLET CLEANOUT	RECYCLE	SG	Y Y N/A
3342 C 096	2	28	VAC MACH	C-508 V	FIRST STAGE SAFETY WATER	RECYCLE	SG	Y Y N/A
3343 C 069	2	26	VAC MACH	C-508 V	SECOND STAGE SAFETY WATER	RECYCLE	SG	Y Y N/A
3345 C 067	2	26	VAC MACH	C-508 G	SEAL OIL INLET LINE GAUGE	SEAL OIL	SG	Y Y N/A
3351 A 348	2	26	VAC MACH	C-508 V	SEAL OIL INLET VALVE	SEAL OIL	SG	Y Y N/A
3352 C 066	2	26	VAC MACH	C-508 V	SEAL OIL INLET LINE	SEAL OIL	SG	Y Y N/A
3353 C 088	2	26	VAC MACH	C-508 V	SEAL OIL INLET VALVE	SEAL OIL	SG	Y Y N/A
3354 C 080	2	26	VAC MACH	C-508 V	SEAL OIL INLET LINE	SEAL OIL	SG	Y Y N/A
3355 C 081	2	26	VAC MACH	C-508 V	SEAL OIL INLET VALVE	SEAL OIL	SG	Y Y N/A
3356 A 347	2	26	VAC MACH	C-508 G	SEAL OIL INLET GAUGE	SEAL OIL	SG	Y Y N/A
3363 C 073	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3369 C 071	2	26	VAC MACH	C-508 V	SECOND STAGE DISCHARGE CLEANOUT	INJECTION WAT	SG	Y Y N/A
3370 C 088	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3371 C 088	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3372 C 087	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3373 C 072	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3374 C 085	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3375 C 085	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3376 C 074	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3378 C 086	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3379 C 086	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3380 C 091	2	26	VAC MACH	C-508 V	INJECTION WATER	INJECTION WAT	SG	Y Y N/A
3381 C 089	2	26	VAC MACH	C-508 V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	Y Y N/A
3382 A 393	2	26	VAC MACH	C-508 V	SUB GAS BYPASS VALVE	IN/OUT	SG	Y Y N/A
3383 C 092	2	26	VAC MACH	C-508 V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	Y Y N/A
3384 A 394	2	26	VAC MACH	C-508 V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	Y Y N/A
3385 C 093	2	26	VAC MACH	C-508 V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	Y Y N/A
3390 C 090	2	26	VAC MACH	C-508 VT	RELIEF VALVE	IN/OUT	SG	Y Y N/A

TABLE 27
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-512

TABLE 28
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-515

TABLE 29
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-518

3600 A 072	29	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3601 A 073	29	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3602 A 074	2	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3603 A 075	2	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3604 A 076	2	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3605 A 077	2	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3606 A 078	2	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3607 A 079	2	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3608 A 080	2	VAC MACH	C-518 G	STEAM EDUCTOR LINE GAUGE	STEAM	STEAM	Y	N/A
3609 A 081	2	VAC MACH	C-518 V	STEAM EDUCTOR LINE VALVE	STEAM	STEAM	Y	N/A
3610 A 082	2	VAC MACH	C-518 G	STEAM EDUCTOR LINE GAUGE	STEAM	STEAM	Y	N/A
3620 A 084	2	VAC MACH	C-518 V	SEAL OIL DRAIN LINES CLEANOUT VALVE	SEAL OIL	SEAL OIL	Y	M
3621 A 085	2	VAC MACH	C-518 G	SEAL OIL DRAIN LINES SIGHT GLASS	SEAL OIL	SEAL OIL	Y	M
3622 A 086	2	VAC MACH	C-518 V	SEAL OIL DRAIN LINES CLEANOUT VALVE	SEAL OIL	SEAL OIL	Y	M
3623 A 087	2	VAC MACH	C-518 SG	SEAL OIL DRAIN LINES SIGHT GLASS	SEAL OIL	SEAL OIL	Y	M
3624 A 088	2	VAC MACH	C-518 V	SEAL OIL DRAIN LINES CLEANOUT VALVE	SEAL OIL	SEAL OIL	Y	M
3625 A 089	2	VAC MACH	C-518 SG	SEAL OIL DRAIN LINES SIGHT GLASS	SEAL OIL	SEAL OIL	Y	M
3626 A 071	2	VAC MACH	C-518 SG	SEAL OIL DRAIN LINES SIGHT GLASS	SEAL OIL	SEAL OIL	Y	M
3627 A 070	2	VAC MACH	C-518 V	SEAL OIL DRAIN LINES CLEANOUT VALVE	SEAL OIL	SEAL OIL	Y	M
3630 A 080	2	VAC MACH	C-518 V	EXHAUST SEAL GAS RECYCLE LINE DRAIN	RECYCLE	RECYCLE	Y	M
3631 A 081	2	VAC MACH	C-518 V	EXHAUST SEAL GAS RECYCLE LINE DRAIN	RECYCLE	RECYCLE	Y	M
3632 A 082	2	VAC MACH	C-518 V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	RECYCLE	Y	M
3633 A 083	2	VAC MACH	C-518 V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	RECYCLE	Y	M
3640 A 105	2	VAC MACH	C-518 V	1ST STAGE NOISE SUPPRESSOR CLEANOUT	SG	SG	Y	N/A
3641 A 107	2	VAC MACH	C-518 V	1ST STAGE CLEANOUT VALVE	SG	SG	Y	N/A
3642 A 095	2	VAC MACH	C-518 V	SECOND STAGE SAFETY WATER	SG	SG	Y	M
3651 A 098	2	VAC MACH	C-518 G	SEAL OIL INLET GAUGE	SEAL OIL	SEAL OIL	Y	M
3652 A 097	2	VAC MACH	C-518 V	SEAL OIL INLET VALVE	SEAL OIL	SEAL OIL	Y	M
3853 A 099	2	VAC MACH	C-518 V	SEAL OIL INLET VALVE	SEAL OIL	SEAL OIL	Y	M
3654 A 096	2	VAC MACH	C-518 V	SEAL OIL INLET VALVE	SEAL OIL	SEAL OIL	Y	M
3655 A 101	2	VAC MACH	C-518 V	SEAL OIL INLET VALVE	SEAL OIL	SEAL OIL	Y	M
3656 A 102	2	VAC MACH	C-518 V	SEAL OIL INLET VALVE	SEAL OIL	SEAL OIL	Y	M
3657 A 103	2	VAC MACH	C-518 G	SEAL OIL INLET GAUGE	SEAL OIL	SEAL OIL	Y	M
3662 A 105	2	VAC MACH	C-518 V	2ND STAGE CLEANOUT VALVE	SG	SG	Y	M
3663 A 092	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3664 A 091	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3665 A 090	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3666 A 490	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3667 A 087	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3668 A 086	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3669 A 084	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3670	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3671	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3672	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3673 A 081	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3674 A 093	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3675 A 092	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3676 A 083	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3677 A 085	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M
3678 A 068	2	VAC MACH	C-518 V	INJECTION WATER LINE VALVE	INJECTION WAT	INJECTION WAT	Y	M

3679	A	089	2	29	VAC MACH	C-518	V	INJECTION WATER LINE VALVE						
3680	A	109	2	29	VAC MACH	C-518	V	SUB GAS SUCTION HEADER BLOCKING VALVE						
3681	A	108	2	29	VAC MACH	C-518	V	SUB GAS RECIRCULATING VALVE						
3682	A	482	2	29	VAC MACH	C-518	V	SUB GAS DISCHARGE CHECK VALVE						
3683	A	112	2	29	VAC MACH	C-518	V	SUB GAS DISCHARGE HEADER VALVE						
3684	A	493	2	29	VAC MACH	C-518	V	SUB GAS DISCHARGE CLEANOUT VALVE						
3685	A	111	2	29	VAC MACH	C-518	V	SUB GAS DISCHARGE BLOCKING VALVE						
3686	A	104	2	29	VAC MACH	C-518	V	2ND STAGE NOISE SUPPRESSOR TOP CLEANOUT						
3680	A	110	2	29	VAC MACH	C-518	VT	RELIEF VALVE						

M	N/A													
Y	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
G	GV													
16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
SG	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG
INJECTION WAT	INOUT													

TABLE 30
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-521

3768 A 263	30	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3769 A 284	2	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3770 C 188	2	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3771 C 190	2	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3772 C 191	2	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3773 A 285	2	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3774 A 286	2	VAC MACH	C-521	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	SG	N/A
3775 A 287	2	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3776 A 288	2	VAC MACH	C-521	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	SG	N/A
3777 A 289	2	VAC MACH	C-521	V	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3778 A 162	2	VAC MACH	C-521	V	SEAL OIL RETURN	SEAL OIL	SG	SG	M
3779 C 163	2	VAC MACH	C-521	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3780 C 164	2	VAC MACH	C-521	V	SEAL OIL RETURN	SEAL OIL	SG	SG	M
3781 C 165	2	VAC MACH	C-521	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3782 C 166	2	VAC MACH	C-521	V	SEAL OIL RETURN	SEAL OIL	SG	SG	M
3783 C 167	2	VAC MACH	C-521	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3784 C 168	2	VAC MACH	C-521	V	SEAL OIL RETURN	SEAL OIL	SG	SG	M
3785 A 289	2	VAC MACH	C-521	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	Y
3786 A 270	2	VAC MACH	C-521	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	SG	N/A
3787 C 168	2	VAC MACH	C-521	V	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3788 C 184	2	VAC MACH	C-521	V	SEAL GAS RECYCLE LINE DRAIN	RECYCLE	SG	SG	M
3789 C 185	2	VAC MACH	C-521	V	SEAL GAS RECYCLE LINE	RECYCLE	SG	SG	Y
3790 C 185	2	VAC MACH	C-521	V	SEAL GAS RECYCLE LINE	RECYCLE	SG	SG	M
3791 C 187	2	VAC MACH	C-521	V	SEAL GAS RECYCLE LINE	RECYCLE	SG	SG	Y
3792 C 161	2	VAC MACH	C-521	V	FIRST STAGE INLET CLEANOUT	SEAL CHL.	SG	SG	M
3793 C 169	2	VAC MACH	C-521	V	FIRST STAGE SAFETY WATER	SEAL CHL.	SG	SG	Y
3794 C 173	2	VAC MACH	C-521	V	SECOND STAGE SAFETY WATER	SEAL CHL.	SG	SG	M
3795 C 169	2	VAC MACH	C-521	G	SEAL OIL INLET GAUGE	SEAL CHL.	SG	SG	Y
3796 C 175	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	M
3797 A 271	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	Y
3798 A 272	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	M
3799 A 171	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	Y
3795 A 275	2	VAC MACH	C-521	G	SEAL OIL INLET GAUGE	SEAL CHL.	SG	SG	M
3796 A 274	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	Y
3797 A 273	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	M
3798 A 276	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	Y
3799 A 277	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	M
3800 A 278	2	VAC MACH	C-521	V	SEAL OIL INLET VALVE	SEAL CHL.	SG	SG	Y
3801 A 279	2	VAC MACH	C-521	G	SEAL OIL INLET GAUGE	SEAL CHL.	SG	SG	M
3802 C 176	2	VAC MACH	C-521	V	INJECTION WATER LINE VALVE	INJECTION WAT.	SG	SG	Y
3803 A 280	2	VAC MACH	C-521	V	INJECTION WATER LINE VALVE	INJECTION WAT.	SG	SG	M
3804 C 175	2	VAC MACH	C-521	V	INJECTION WATER LINE VALVE	INJECTION WAT.	SG	SG	Y
3805 C 174	2	VAC MACH	C-521	V	INJECTION WATER LINE VALVE	INJECTION WAT.	SG	SG	M
3806 C 188	2	VAC MACH	C-521	V	FIRST/SECOND STAGE CROSSOVER CLEANOUT	INJECT	SG	SG	A
3807 C 172	2	VAC MACH	C-521	V	INJECTION WATER LINE VALVE	INJECTION WAT.	SG	SG	Y
3808 C 182	2	VAC MACH	C-521	V	INJECTION WATER LINE VALVE	INJECTION WAT.	SG	SG	M
3809 C 178	2	VAC MACH	C-521	V	SUB GAS SUCTION HEADER BLOCKING VALVE	INJECT	SG	SG	Y
3810 C 177	2	VAC MACH	C-521	V	SUB GAS BYPASS	INJECT	SG	SG	N
3811 C 183	2	VAC MACH	C-521	V	2ND STAGE EXHAUST CLEAN OUT	INJECT	SG	SG	N
3812 A 281	2	VAC MACH	C-521	V	SUB GAS DISCHARGE CHECK VALVE	INJECT	SG	SG	A
3813 C 161	2	VAC MACH	C-521	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	INJECT	SG	SG	A

3785 A	282	2	30	VAC MACH	C-621	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SC	16.00	S
3785 C	180	2	30	VAC MACH	C-621	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SC	16.00	S
3790			30	VAC MACH	C-621	V		IN/OUT	SC	16.00	S

TABLE 31
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-524

3890	C	194	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	Y	N/A
3801	C	195	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3802	C	196	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3803	A	412	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3894	A	417	2	31	VAC MACH	C-524	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	SG	16.00	GV
3805	A	418	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3806	A	414	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3808	A	415	2	31	VAC MACH	C-524	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	SG	16.00	GV
3809	A	416	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3810	A	411	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3820	C	285	2	31	VAC MACH	C-524	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	16.00	GV
3821	C	207	2	31	VAC MACH	C-524	SG	SEAL OIL RETURN	SEAL OIL	SG	SG	16.00	G
3822	C	204	2	31	VAC MACH	C-524	V	SEAL OIL RETURN	SEAL OIL	SG	SG	16.00	G
3823	C	205	2	31	VAC MACH	C-524	SG	SEAL OIL RETURN	SEAL OIL	SG	SG	16.00	G
3824	C	202	2	31	VAC MACH	C-524	V	SEAL OIL RETURN	SEAL OIL	SG	SG	16.00	G
3825	C	203	2	31	VAC MACH	C-524	SG	SEAL OIL RETURN	SEAL OIL	SG	SG	16.00	G
3826	C	239	2	31	VAC MACH	C-524	V	SEAL OIL RETURN	SEAL OIL	SG	SG	16.00	G
3827	C	201	2	31	VAC MACH	C-524	SG	SEAL OIL RETURN	SEAL OIL	SG	SG	16.00	G
3830	C	217	2	31	VAC MACH	C-524	V	SEAL GAS RECYCLE LINE DRAIN	SEAL GAS	SG	SG	16.00	G
3831	C	218	2	31	VAC MACH	C-524	V	SEAL GAS RECYCLE LINE	SEAL GAS	SG	SG	16.00	G
3832	C	219	2	31	VAC MACH	C-524	V	SEAL GAS RECYCLE LINE	SEAL GAS	SG	SG	16.00	G
3833	C	220	2	31	VAC MACH	C-524	V	SEAL GAS RECYCLE LINE	SEAL GAS	SG	SG	16.00	G
3840	C	193	2	31	VAC MACH	C-524	V	FIRST STAGE INLET CLEANOUT	FIRST STAGE INLET CLEANOUT	SG	SG	16.00	GV
3841	C	192	2	31	VAC MACH	C-524	V	STAGE ONE SAFETY WATER	STAGE ONE SAFETY WATER	SG	SG	16.00	GV
3842	C	209	2	31	VAC MACH	C-524	V	SECOND STAGE SAFETY WATER	SECOND STAGE SAFETY WATER	SG	SG	16.00	G
3843	C	210	2	31	VAC MACH	C-524	V	FIRST/SECOND STAGE CROSSOVER CLEANOUT	FIRST/SECOND STAGE CROSSOVER CLEANOUT	SG	SG	16.00	G
3850	C	214	2	31	VAC MACH	C-524	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	SG	16.00	G
3851	C	213	2	31	VAC MACH	C-524	V	SEAL OIL INLET VALVE	SEAL OIL	SG	SG	16.00	G
3852	C	212	2	31	VAC MACH	C-524	V	SEAL OIL INLET VALVE	SEAL OIL	SG	SG	16.00	G
3853	C	215	2	31	VAC MACH	C-524	V	SEAL OIL INLET VALVE	SEAL OIL	SG	SG	16.00	G
3854	C	216	2	31	VAC MACH	C-524	V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	SG	16.00	G
3855	A	419	2	31	VAC MACH	C-524	V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	SG	16.00	G
3856	A	420	2	31	VAC MACH	C-524	G	FIRST/SECOND STAGE CLEANOUT VALVE	FIRST/SECOND STAGE CLEANOUT VALVE	SG	SG	16.00	G
3867	C	215	2	31	VAC MACH	C-524	V	FIRST/SECOND STAGE CLEANOUT VALVE	FIRST/SECOND STAGE CLEANOUT VALVE	SG	SG	16.00	G
3868	A	424	2	31	VAC MACH	C-524	V	FIRST/SECOND STAGE CLEANOUT VALVE	FIRST/SECOND STAGE CLEANOUT VALVE	SG	SG	16.00	G
3869	C	211	2	31	VAC MACH	C-524	V	FIRST/SECOND STAGE CLEANOUT VALVE	FIRST/SECOND STAGE CLEANOUT VALVE	SG	SG	16.00	G
3870	C	212	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3871	C	213	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3872	C	197	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3873	C	197	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3874	C	199	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3875	C	198	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3876	C	208	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3877	A	421	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3878	A	422	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3879	A	423	2	31	VAC MACH	C-524	V	INJECTION WATER LINE VALVE	INJECTION WATER LINE VALVE	SG	SG	16.00	G
3880	C	223	2	31	VAC MACH	C-524	V	SUB GAS SUCTION HEADER BLOCKING VALVE	SUB GAS SUCTION HEADER BLOCKING VALVE	SG	SG	16.00	GV
3881	C	221	2	31	VAC MACH	C-524	V	SUB GAS BYPASS VALVE	SUB GAS BYPASS VALVE	SG	SG	16.00	G
3882	A	475	2	31	VAC MACH	C-524	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	SUB GAS DISCHARGE HEADER BLOCKING VALVE	SG	SG	16.00	G
3883	C	225	2	31	VAC MACH	C-524	V	IN/OUT	IN/OUT	SG	SG	16.00	GV

3884	A	476	2	31	VAC MACH	C-524	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00
3885	C	224	2	31	VAC MACH	C-524	V	SUB GAS DISCHARGE BLOCKING LINE	IN/OUT	SG	16.00
3886	C	226	2	31	VAC MACH	C-524	V	SECOND STAGE DISCHARGE TOP CLEANOUT	IN/OUT	SG	16.00
3889	C	222	2	31	VAC MACH	C-524	VT	RELIEF VALVE	IN/OUT	SG	16.00

A A
N N N N
G G G G
SG SG SG SG

TABLE 32
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-527

3800 A 129 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3801 A 126 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3802 A 125 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3803 A 126 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3804 A 127 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3805 A 130 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3806 A 131 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3807	VAC MACH	C-527 G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	SG	N/A
3808 A 132 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3809 A 134 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3810	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3811 A 124 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3820 A 138 2	VAC MACH	C-527 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	SG	N/A
3821 A 138 2	VAC MACH	C-527 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3822 A 141 2	VAC MACH	C-527 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	M
3823 A 140 2	VAC MACH	C-527 V	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3824 A 142 2	VAC MACH	C-527 V	SEAL OIL RETURN	SEAL OIL	SG	SG	M
3825 A 143 2	VAC MACH	C-527 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3826 A 144 2	VAC MACH	C-527 V	SEAL OIL RETURN	SEAL OIL	SG	SG	M
3827 A 145 2	VAC MACH	C-527 V	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	SG	Y
3830 A 157 2	VAC MACH	C-527 V	SEAL GAS RECYCLE LINE	SEAL OIL	SG	SG	M
3831 A 156 2	VAC MACH	C-527 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	SG	N/A
3832 A 155 2	VAC MACH	C-527 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	SG	N/A
3833 A 154 2	VAC MACH	C-527 V	SEAL GAS RECYCLE LINE DRAIN	RECYCLE	SG	SG	N/A
3834 A 158 2	VAC MACH	C-527 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	SG	N/A
3840 A 137 2	VAC MACH	C-527 V	STAGE ONE INLET CLEANOUT	SG	SG	SG	N/A
3841 A 136 2	VAC MACH	C-527 V	STAGE ONE SAFETY WATER	SG	SG	SG	N/A
3842 A 153 2	VAC MACH	C-527 V	SECOND STAGE SAFETY WATER	SG	SG	SG	N/A
3850 A 114 2	VAC MACH	C-527 V	SEAL OIL INLET CLEANOUT VALVE	SEAL OIL	SG	SG	M
3851 A 122 2	VAC MACH	C-527 V	SEAL OIL INLET CLEANOUT VALVE	SEAL OIL	SG	SG	M
3852 A 121 2	VAC MACH	C-527 V	SEAL OIL INLET CLEANOUT VALVE	SEAL OIL	SG	SG	M
3853 A 120 2	VAC MACH	C-527 V	SEAL OIL INLET VALVE	SEAL OIL	SG	SG	M
3855 A 123 2	VAC MACH	C-527 G	SEAL OIL INLET GAUGE	SEAL OIL	SG	SG	M
3856 A 118 2	VAC MACH	C-527 V	SEAL OIL INLET VALVE	SEAL OIL	SG	SG	M
3858 A 117 2	VAC MACH	C-527 V	SEAL OIL INLET VALVE	SEAL OIL	SG	SG	M
3859 A 115 2	VAC MACH	C-527 V	SEAL OIL INLET VALVE	SEAL OIL	SG	SG	M
3869 A 116 2	VAC MACH	C-527 G	SEAL OIL INLET GAUGE	SEAL OIL	SG	SG	M
3870	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	M
3871	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	M
3872 A 151 2	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	A
3873 A 152 2	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	A
3874 A 150 2	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	M
3875 A 149 2	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	M
3876	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	M
3877	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	N
3878 A 148 2	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	N
3879 A 147 2	VAC MACH	C-527 V	INJECTION WATER	INJECTION WAT	SG	SG	M
3880 A 160 2	VAC MACH	C-527 V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	SG	M
3881 A 161 2	VAC MACH	C-527 V	SUB GAS BYPASS VALVE	IN/OUT	SG	SG	N

3982 A	164	2	32	VAC MACH	C-527	V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	16.00
3983 A	182	2	32	VAC MACH	C-527	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00
3984 A	186	2	32	VAC MACH	C-527	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00
3985 A	163	2	32	VAC MACH	C-527	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	16.00
3986 A	159	2	32	VAC MACH	C-527	VT	RELIEF VALVE	IN/OUT	SG	16.00

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TABLE 33
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-530

4087	C	288	2	33	VAC MACH	C-539	V	SUB GAS DISCHARGE HEADER CLEANOUT				
4090	C	291	2	33	VAC MACH	C-539	VT	RELIEF VALVE	IN/OUT	SG	16.00	G
									INCUT	SG	16.00	G
											N	A

TABLE 34
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-533

4100 A 229	2	34	VAC MACH	C-533 V	STEAM INJECTOR LINE VALVE	STEAM	SG	N/A
4101 C 317	2	34	VAC MACH	C-533 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	N/A
4102 C 318	2	34	VAC MACH	C-533 V	SEAL GAS RECYCLE LINE DRAIN	SEAL OIL	SG	M
4103 C 319	2	34	VAC MACH	C-533 V	SEAL GAS RECYCLE LINE	SEAL OIL	SG	M
4104 C 316	2	34	VAC MACH	C-533 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	M
4105 A 231	2	34	VAC MACH	C-533 G	STEAM INJECTOR LINE GAUGE	STEAM	SG	N/A
4106 A 232	2	34	VAC MACH	C-533 V	STEAM INJECTOR LINE VALVE	STEAM	SG	N/A
4107 A 233	2	34	VAC MACH	C-533 V	STEAM INJECTOR LINE VALVE	STEAM	SG	N/A
4108 A 234	2	34	VAC MACH	C-533 G	STEAM INJECTOR LINE GAUGE	STEAM	SG	N/A
4109 C 235	2	34	VAC MACH	C-533 G	STEAM INJECTOR LINE GAUGE	STEAM	SG	N/A
4110 A 236	2	34	VAC MACH	C-533 G	STEAM INJECTOR LINE GAUGE	STEAM	SG	N/A
4111 C 237	2	34	VAC MACH	C-533 V	STEAM INJECTOR LINE GAUGE	STEAM	SG	N/A
4120 C 307	2	34	VAC MACH	C-533 V	SEAL OIL RETURN	SEAL OIL	SG	N/A
4121 C 308	2	34	VAC MACH	C-533 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	M
4122 C 309	2	34	VAC MACH	C-533 V	SEAL OIL RETURN	SEAL OIL	SG	M
4123 C 310	2	34	VAC MACH	C-533 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	M
4124 C 311	2	34	VAC MACH	C-533 V	SEAL OIL RETURN	SEAL OIL	SG	M
4125 C 312	2	34	VAC MACH	C-533 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	M
4126 A 237	2	34	VAC MACH	C-533 V	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	M
4127 C 313	2	34	VAC MACH	C-533 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	M
4128 C 320	2	34	VAC MACH	C-533 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	M
4132 C 323	2	34	VAC MACH	C-533 V	FIRST STAGE INLET CLEANOUT	RECYCLE	SG	M
4140 C 305	2	34	VAC MACH	C-533 V	SEAL GAS RECYCLE LINE	RECYCLE	SG	M
4140 C 314	2	34	VAC MACH	C-533 V	STEAM EDUCTOR LINE VALVE	RECYCLE	SG	M
4141 C 306	2	34	VAC MACH	C-533 V	FIRST STAGE SAFETY WATER	RECYCLE	SG	M
4141 C 315	2	34	VAC MACH	C-533 V	STEAM EDUCTOR LINE VALVE	RECYCLE	SG	M
4142 C 298	2	34	VAC MACH	C-533 V	SECOND STAGE SAFETY WATER	RECYCLE	SG	M
4143 C 298	2	34	VAC MACH	C-533 V	FIRST/SECOND STAGE CROSSOVER CLEANOUT	RECYCLE	SG	M
4150 C 296	2	34	VAC MACH	C-533 G	SEAL OIL INLET GAUGE	SEAL OIL	SG	M
4151 C 295	2	34	VAC MACH	C-533 V	SEAL OIL INLET VALVE	SEAL OIL	SG	M
4152 C 294	2	34	VAC MACH	C-533 V	SEAL OIL INLET VALVE	SEAL OIL	SG	M
4153 C 322	2	34	VAC MACH	C-533 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	M
4154 C 321	2	34	VAC MACH	C-533 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	M
4155 A 226	2	34	VAC MACH	C-533 G	SEAL OIL INLET LINE GAUGE	SEAL OIL	SG	M
4156 A 227	2	34	VAC MACH	C-533 V	SEAL OIL INLET VALVE	SEAL OIL	SG	M
4157 A 228	2	34	VAC MACH	C-533 V	SEAL OIL INLET VALVE	SEAL OIL	SG	M
4170 C 302	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4171 C 304	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4173 C 303	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4174 C 301	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4175 C 300	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4176 C 297	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4177 A 225	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4178 C 301	2	34	VAC MACH	C-533 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	M
4180 C 228	2	34	VAC MACH	C-533 V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	N/A
4181 C 330	2	34	VAC MACH	C-533 V	SUB GAS BYPASS VALVE	IN/OUT	SG	N/A
4182 C 238	2	34	VAC MACH	C-533 V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	N/A
4183 C 327	2	34	VAC MACH	C-533 V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	N/A
4184 A 238	2	34	VAC MACH	C-533 V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	N/A
4185 C 336	2	34	VAC MACH	C-533 V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	N/A

4186	C	325	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE HEADER CLEANOUT	IN/OUT	SG	16.00	G	N	A
4187	C	324	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE HEADER CLEANOUT	IN/OUT	SG	16.00	G	N	A
4180	C	328	2	34	VAC MACH	C-533	VT	RELIEF VALVE	IN/OUT	SG	16.00	G	N	A

TABLE 35
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-536

TABLE 36
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-539

A	N	ADD NOV 1982
N	N	
C	G	
SG	SG	
IN/OUT	IN/OUT	
SUB GAS BYPASS VALVE	SUB GAS DISCHARGE CHECK VALVE	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 358	C 358	
C 4332	C 4332	
C	C	
A	A	
4383	4383	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 354	C 354	
C 4384	C 4384	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 4385	C 4385	
A	A	
4389	4389	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 4396	C 4396	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 4397	C 4397	
C	C	
407	407	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 4388	C 4388	
A	A	
500	500	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 4389	C 4389	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 4390	C 4390	
C	C	
317	317	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
C 4391	C 4391	
A	A	
252	252	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	
RELIEF VALVE	EXHAUST NOISE SUPPRESSOR CLEAN OUT	
V	V	
C-539	C-539	
VAC MACH	VAC MACH	
2	2	
36	36	

TABLE 37
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-542

4480 C 400 2 37 VAC MACH C-S42 V RELIEF VALVE

INPUT SS 1600 G N A

TABLE 38
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-545

4500 A 427	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4501 A 429	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4502 A 428	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4503 A 428	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4504 A 425	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4505 A 425	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4506 A 425	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4507 A 433	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4508 A 432	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE GAUGE	STEAM	SG	16.00	GV
4509 A 435	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE GAUGE	STEAM	SG	16.00	GV
4510 A 435	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE GAUGE	STEAM	SG	16.00	GV
4511 A 434	2	38	VAC MACH	C-545 V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV
4520 A 446	2	38	VAC MACH	C-545 V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G
4521 A 447	2	38	VAC MACH	C-545 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	GV
4522 A 448	2	38	VAC MACH	C-545 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	GV
4523 A 449	2	38	VAC MACH	C-545 V	SEAL OIL RETURN	SEAL OIL	SG	16.00	GV
4524 A 450	2	38	VAC MACH	C-545 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G
4525 A 451	2	38	VAC MACH	C-545 SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G
4530 A 455	2	38	VAC MACH	C-545 V	SEAL VENT RECYCLE LINE VALVE	RECYCLE	SG	16.00	G
4531 A 454	2	38	VAC MACH	C-545 V	SEAL VENT RECYCLE LINE VALVE	RECYCLE	SG	16.00	G
4532 A 453	2	38	VAC MACH	C-545 V	SEAL VENT RECYCLE LINE VALVE	RECYCLE	SG	16.00	G
4523 A 452	2	38	VAC MACH	C-545 V	SEAL VENT GAS RECYCLE LINE DRAIN	RECYCLE	SG	16.00	G
4540 A 444	2	38	VAC MACH	C-545 V	FIRST STAGE INLET CLEANOUT	RECYCLE	SG	16.00	GV
4541 A 445	2	38	VAC MACH	C-545 V	FIRST STAGE SAFETY WATER	RECYCLE	SG	16.00	GV
4542 A 457	2	38	VAC MACH	C-545 V	SECOND STAGE SAFETY WATER	RECYCLE	SG	16.00	GV
4550 A 440	2	38	VAC MACH	C-545 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	16.00	G
4551 A 439	2	38	VAC MACH	C-545 V	SEAL OIL INLET LINE GAUGE	SEAL OIL	SG	16.00	G
4552 A 438	2	38	VAC MACH	C-545 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	16.00	G
4553 A 437	2	38	VAC MACH	C-545 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	16.00	G
4554 A 441	2	38	VAC MACH	C-545 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	16.00	G
4555 A 442	2	38	VAC MACH	C-545 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	16.00	G
4556 A 443	2	38	VAC MACH	C-545 V	SEAL OIL INLET LINE VALVE	SEAL OIL	SG	16.00	G
4558 A 470	2	38	VAC MACH	C-545 VT	FROM DECANTOR VENT	INJECTION WAT	SG	16.00	G
4559 A 456	2	38	VAC MACH	C-545 V	SECOND STAGE EXHAUST CLEANOUT	INJECTION WAT	SG	16.00	G
4570 A 456	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4571 A 464	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4573 A 463	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4574 A 462	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4575 A 461	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4576 A 465	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4577 A 460	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4578 A 459	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4579 A 458	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4580 A 456	2	38	VAC MACH	C-545 V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G
4581 A 465	2	38	VAC MACH	C-545 V	SUB GAS SUCTION HEADER BLOCKING VALVE	INOUT	SG	16.00	G
4582 A 471	2	38	VAC MACH	C-545 V	SUB GAS BYPASS	INOUT	SG	16.00	G
4583 A 468	2	38	VAC MACH	C-545 V	SUB GAS DISCHARGE CHECK VALVE	INOUT	SG	16.00	G
4584 A 472	2	38	VAC MACH	C-545 V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	INOUT	SG	16.00	G
4585 A 469	2	38	VAC MACH	C-545 V	SUB GAS DISCHARGE CLEANOUT VALVE	INOUT	SG	16.00	G
4586 A 467	2	38	VAC MACH	C-545 V	SUB GAS DISCHARGE BLOCKING VALVE	INOUT	SG	16.00	G
4587 A 467	2	38	VAC MACH	C-545 VT	RELIEF VALVE	INOUT	SG	16.00	G

TABLE 39
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-548

TABLE 40
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 1

5000 D	501	2	40	MAIN QUAD R-401-A V	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5001 D	502	2	40	MAIN QUAD R-401-A V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5002 D	503	2	40	MAIN QUAD R-401-A V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5003 D	504	2	40	MAIN QUAD R-401-B V	SUB GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5004 D	505	2	40	MAIN QUAD R-401-B V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5005 D	506	2	40	MAIN QUAD R-401-B V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5006 D	507	2	40	MAIN QUAD R-401-C V	SUB GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5007 D	508	2	40	MAIN QUAD R-401-C V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5008 D	509	2	40	MAIN QUAD R-401-C V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5009 D	510	2	40	MAIN QUAD R-401-D V	SUB GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5010 D	511	2	40	MAIN QUAD R-401-D V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5011 D	512	2	40	MAIN QUAD R-401-D V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5015 C	493	2	40	MAIN QUAD QUAD 1 V	SUB GAS HEADER CLEANOUT VALVE	BOTTOM	LO	57.63	L	Y	MU	LO WASH
5016 C	468	2	40	MAIN QUAD QUAD 1 V	BLOCKING VALVE NITROGEN PURGE	HEADER	SG	16.00	GV	N	N/A	
5017 C	469	2	40	MAIN QUAD QUAD 1 V	BLOCKING VALVE SUB GAS VACUUM LINE	HEADER	SG	16.00	GV	Y	N/A	
5018 C	470	2	40	MAIN QUAD QUAD 1 V	CLEAN OUT VALVE SUB GAS VACUUM LINE	HEADER	SG	16.00	GV	Y	N/A	
5020 D	092	2	40	MAIN QUAD R-401-A V	BLEED VALVE SUB GAS VACUUM LINE	HEADER	SG	16.00	GV	Y	N/A	
5021 D	091	2	40	MAIN QUAD R-401-A V	RAW GAS VALVE	TOP #A	SG	16.00	G	Y	M	
5022 D	122	2	40	MAIN QUAD R-401-A V	DOWNRIVER GAS VALVE	TOP #A	SG	16.00	G	Y	M	
5023 D	123	2	40	MAIN QUAD R-401-A V	UNDER FIRE GAS VALVE	TOP #A	SG	16.00	G	Y	M	
5024 D	517	2	40	MAIN QUAD R-401-A V	SUB GAS VALVE	TOP #A	SG	16.00	G	Y	M	
5025 D	518	2	40	MAIN QUAD R-401-A V	TOP LEVEL SOUTH STEAM TAP	TOP #A	SG	16.00	G	Y	M	
5026 D	121	2	40	MAIN QUAD R-401-A V	TOP LEVEL SOUTH STEAM TAP	TOP #A	LO	57.63	L	Y	M	
5027 A	170	2	40	MAIN QUAD R-401-A V	TOP PRESSURE TAP VALVE	TOP #A	SG	16.00	G	Y	M	
5028 A	171	2	40	MAIN QUAD R-401-A V	TOP PRESSURE TAP VALVE	TOP #A	SG	16.00	G	Y	M	
5029 A	2	40	MAIN QUAD R-401-A V	TOP PRESSURE TAP	TOP #A	SG	16.00	G	Y	M	ADDED 11/95	
5030 C	491	2	40	MAIN QUAD R-401-A V	MID LEVEL PRESSURE TAP	TOP #A	SG	16.00	G	Y	M	
5031 D	513	2	40	MAIN QUAD R-401-A V	LOW LEVEL PRESSURE TAP COLD	MIDDLE #A	SG	16.00	G	Y	M	
5032 D	521	2	40	MAIN QUAD R-401-A V	TOP LEVEL NORTH PRESSURE TAP	BOTTOM #A	LO	57.63	L	N	A	LO WASH, MONITOR IN USE
5033 D	422	2	40	MAIN QUAD R-401-A VT	RELIEF VALVE	TOP #A	LO	57.63	L	Y	M	
5034 D	2	40	MAIN QUAD R-401-A V	LOW LEVEL PRESS. TAP DRAIN	BOTTOM #A	SG	16.00	G	Y	M	LO WASH, MONITOR IN USE	
5040 D	098	2	40	MAIN QUAD R-401-B V	RAIN GAS VALVE	BOTTOM #A	LO	57.63	L	Y	M	LO WASH
5041 D	093	2	40	MAIN QUAD R-401-B V	DOWNRIVER GAS VALVE	TOP #B	SG	16.00	G	Y	M	
5042 D	526	2	40	MAIN QUAD R-401-B V	TOP LEVEL NORTH PRESSURE TAP	TOP #B	SG	16.00	G	Y	M	
5043 D	118	2	40	MAIN QUAD R-401-B V	UNDER FIRE GAS VALVE	TOP #B	LO	57.63	L	N	A	
5044 D	117	2	40	MAIN QUAD R-401-B V	SUB GAS VALVE	TOP #B	SG	16.00	G	Y	M	
5045 D	522	2	40	MAIN QUAD R-401-B V	TOP LEVEL SOUTH STEAM TAP	TOP #B	SG	16.00	G	Y	M	
5046 D	118	2	40	MAIN QUAD R-401-B V	TOP PRESSURE TAP VALVE	TOP #B	LO	57.63	L	N	A	
5047 A	173	2	40	MAIN QUAD R-401-B V	TOP PRESSURE TAP	TOP #B	SG	16.00	G	Y	M	
5048 C	492	2	40	MAIN QUAD R-401-B V	MID LEVEL PRESSURE TAP	MIDDLE #B	SG	16.00	G	Y	M	
5049 D	514	2	40	MAIN QUAD R-401-B VT	LOW LEVEL PRESSURE TAP COLD	BOTTOM #B	LO	57.63	L	N	AU	LO WASH
5050 D	421	2	40	MAIN QUAD R-401-B VT	RELIEF VALVE	TOP #B	SG	16.00	G	Y	M	
5051	2	40	MAIN QUAD R-401-B V	LOW LEVEL PRESS. TAP DRAIN	BOTTOM #B	LO	57.63	L	Y	MU	LO WASH	
5080 D	104	2	40	MAIN QUAD R-401-C V	RAW GAS VALVE	TOP #C	SG	16.00	G	Y	M	
5081 D	099	2	40	MAIN QUAD R-401-C V	DOWNRIVER GAS VALVE	TOP #C	SG	16.00	G	Y	M	
5082 D	531	2	40	MAIN QUAD R-401-C V	TOP LEVEL NORTH PRESSURE TAP	TOP #C	LO	57.63	L	N	A	
5083 D	116	2	40	MAIN QUAD R-401-C V	UNDER FIRE GAS VALVE	TOP #C	SG	16.00	G	Y	M	
5084 D	114	2	40	MAIN QUAD R-401-C V	SUB GAS VALVE	TOP #C	SG	16.00	G	Y	M	
5085 D	527	2	40	MAIN QUAD R-401-C V	TOP LEVEL SOUTH STEAM VALVE	TOP #C	LO	57.63	L	N	A	
5087 D	115	2	40	MAIN QUAD R-401-C V	TOP PRESSURE TAP VALVE	TOP #C	SG	16.00	G	Y	M	

TABLE 41
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 2

5100	D	543	2	41	MAIN QUAD R-402-A V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S101	D	542	2	41	MAIN QUAD R-402-A V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S102	D	541	2	41	MAIN QUAD R-402-A V	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM		MU	LOWASH
S103	D	546	2	41	MAIN QUAD R-402-B V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S104	D	545	2	41	MAIN QUAD R-402-B V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S105	D	544	2	41	MAIN QUAD R-402-B V	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM		MU	LOWASH
S106	D	549	2	41	MAIN QUAD R-402-C V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S107	D	548	2	41	MAIN QUAD R-402-C V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S108	D	547	2	41	MAIN QUAD R-402-C V	SUB GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S109	D	552	2	41	MAIN QUAD R-402-D V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S110	D	551	2	41	MAIN QUAD R-402-D V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S111	D	550	2	41	MAIN QUAD R-402-D V	SUB GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S115	D	020	2	41	MAIN QUAD QUAD 2 V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM		MU	LOWASH
S116	C	485	2	41	MAIN QUAD QUAD 2 V	SUB GAS HEADER CLEANOUT VALVE	HEADER		MU	LOWASH
S117	C	466	2	41	MAIN QUAD QUAD 2 V	BLOCKING VALVE SUB GAS VACUUM LINE	HEADER		MU	LOWASH
S118	C	464	2	41	MAIN QUAD QUAD 2 V	CLEAN OUT VALVE SUB GAS VACUUM LINE	HEADER		MU	LOWASH
S119	C	467	2	41	MAIN QUAD QUAD 2 V	BLOCKING VALVE NITROGEN PURGE	HEADER		MU	LOWASH
S120	C	025	2	41	MAIN QUAD R-402A V	BLEED VALVE SUB GAS VACUUM LINE	HEADER		MU	LOWASH
S121	D	026	2	41	MAIN QUAD R-402A V	RAW GAS VALVE	TOP #A		N	N
S122	A	182	2	41	MAIN QUAD R-402A V	TOP PRESSURE TAP VALVE	TOP #A		N	N
S123	A	184	2	41	MAIN QUAD R-402A V	TOP PRESSURE TAP	TOP #A		N	N
S124	A	183	2	41	MAIN QUAD R-402A V	TOP PRESSURE TAP	TOP #A		N	N
S125	D	027	2	41	MAIN QUAD R-402A V	TOP PRESSURE TAP	TOP #A		N	N
S126	D	557	2	41	MAIN QUAD R-402-A V	DOWN RIVER GAS VALVE	TOP #A		N	N
S127	D	057	2	41	MAIN QUAD R-402-A V	TOP LEVEL SOUTH STEAM TAP	TOP #A		N	N
S128	D	083	2	41	MAIN QUAD R-402A V	UNDER FIRE GAS VALVE	TOP #A		N	N
S129	D	409	2	41	MAIN QUAD R-402A V	SUB GAS VALVE	TOP #A		N	N
S130	D	581	2	41	MAIN QUAD R-402-A V	RELIEF VALVE	TOP #A		N	N
S131	D	024	2	41	MAIN QUAD R-402A V	TOP LEVEL NORTH PRESSURE TAP	TOP #A		N	N
S132	D	553	2	41	MAIN QUAD R-402-A V	MID LEVEL PRESSURE TAP VALVE	TOP #A		N	N
S140	D	028	2	41	MAIN QUAD R-402B V	LOW LEVEL PRESSURE TAP COLD	TOP #A		N	N
S141	D	029	2	41	MAIN QUAD R-402B V	RAW GAS VALVE	TOP #B		MU	LOWASH
S142	A	187	2	41	MAIN QUAD R-402B V	TOP PRESSURE TAP VALVE	TOP #B		MU	LOWASH
S143	A	186	2	41	MAIN QUAD R-402B V	TOP PRESSURE TAP	TOP #B		MU	LOWASH
S144	D	030	2	41	MAIN QUAD R-402B V	DOWN RIVER GAS VALVE	TOP #B		MU	LOWASH
S145	D	562	2	41	MAIN QUAD R-402-B V	TOP LEVEL SOUTH STEAM valve	TOP #B		MU	LOWASH
S146	D	023	2	41	MAIN QUAD R-402-B V	TOP LEVEL SOUTH STEAM valve	TOP #B		MU	LOWASH
S147	D	051	2	41	MAIN QUAD R-402-B V	UNDER FIRE GAS VALVE	TOP #B		MU	LOWASH
S148	D	058	2	41	MAIN QUAD R-402B V	SUB GAS VALVE	TOP #B		MU	LOWASH
S149	D	568	2	41	MAIN QUAD R-402-B V	TOP LEVEL NORTH PRESSURE TAP	TOP #B		MU	LOWASH
S150	D	023	2	41	MAIN QUAD R-402B V	MID LEVEL PRESSURE TAP VALVE	TOP #B		MU	LOWASH
S151	D	554	2	41	MAIN QUAD R-402-B V	LOW LEVEL PRESSURE TAP COLD	TOP #B		MU	LOWASH
S152	D	408	2	41	MAIN QUAD R-402B V	RELIEF VALVE	TOP #B		MU	LOWASH
S153	D	031	2	41	MAIN QUAD R-402C V	RAW GAS VALVE	TOP #C		MU	LOWASH
S154	D	032	2	41	MAIN QUAD R-402C V	TOP PRESSURE TAP VALVE	TOP #C		MU	LOWASH
S155	D	188	2	41	MAIN QUAD R-402C V	TOP PRESSURE TAP	TOP #C		MU	LOWASH
S156	D	189	2	41	MAIN QUAD R-402C V	TOP PRESSURE TAP	TOP #C		MU	LOWASH
S157	A	180	2	41	MAIN QUAD R-402C V	TOP PRESSURE TAP	TOP #C		MU	LOWASH
S158	D	033	2	41	MAIN QUAD R-402C V	DOWN RIVER GAS VALVE	TOP #C		MU	LOWASH
S159	D	567	2	41	MAIN QUAD R-402-C V	TOP LEVEL SOUTH STEAM VALVE	TOP #C		MU	LOWASH
S160	D	567	2	41	MAIN QUAD R-402-C V	TOP LEVEL SOUTH STEAM VALVE	TOP #C		MU	LOWASH